



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER (Large Entity)

Application Number: 09/188,241

Group Art Unit: 2816

Filed: November 9, 1998

Examiner Name: Englund

Applicant: Luo

Attorney Docket Number: Luo 4

TITLE: REDUCED CHARGE INJECTION IN CURRENT SWITCH

Total Number of Pages in this Submission: 11

DIRECTOR OF US PATENT AND TRADEMARK OFFICE
WASHINGTON, DC 20231

SIR:

Transmitted herewith are
an amendment in the above-identified application (11 Pages)

The fee has been calculated and is transmitted as shown below.

CLAIMS AS AMENDED					
	CLAIMS REMAINING AFTER Amendment	HIGHEST # PREV. PAID FOR	# OF EXTRA CLAIMS	RATE	ADDITIONAL FEE
Total Claims	17	18	0	x \$18 =	\$ 0.00
Independent Claims	4	4	0	x \$84 =	\$ 0.00
Multiple Dependent Claim(s), if applicable				x \$280 =	
TOTAL ADDITIONAL FEE:					\$ 0.00

The Commissioner is hereby authorized to charge any additional fees required under 37 C.F.R. 1.16 or any patent application processing fees under 37 C.F.R. 1.17 associated with this communication, or credit any over payment to **Deposit Account No. 50-0687 under Order No. 73-825.**

Respectfully submitted,

William H. Bollman

Reg. No.: 36,457

Attorney for Applicant(s)

Date: March 27, 2003

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Serial No.: 09/188,241
Filed: November 9, 1998
Group Art Unit: 2816
Examiner: Englund
Atty Docket No.: Luo 4
Our Ref.: 73-825

IN RE PATENT APPLICATION OF:

LUO

TITLE: **REDUCED CHARGE INJECTION IN CURRENT SWITCH**

AMENDMENT

Director of U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Responsive to the Office Action dated December 31, 2002, please
amend the subject application as follows:

IN THE SPECIFICATION:

Kindly replace the following paragraphs in the specification with the
indicated text:

Clean Set of Paragraphs for the Specification

Page 7, paragraph starting at line 17:

The positive input of the pull-down amp **400** is connected to the
load side of the switch **MS** through an input resistor **R1** and an input capacitor
C1, while the negative input to the pull-down amp **400** is connected to one side of
the mirror path switch **MT**. The other side of the mirror path switch **MT** is
connected to the current source side of the switch **MS**.